



SUSTAINABLE G ALS

This document is designed at an aspect ratio for printing. Please do not print this first page.

ACTIVITIES

Use this mind map to think of inventive ways to make our cities and communities more sustainable. Add more features of cities and communities and draw more arrows and lines if you need to.







Use this profiler to capture information about the a person who lives in your community and how they could benefit from a more sustainable place to live

What's special or different about your person?

What are the problems they face living in the community?

How you can help the person?



Think of lots of different types of homes and habitats!

People and animals live in all sorts of homes all over the world. Some have lots of space, some are high up or underground to keep away from danger, some need to stay warm or cool.

Write down or draw as many different types of homes as you can think of. Thank about what shapes and features (like doors, rooms, stairs, chimneys or windows) do they have? Why?

To get you started, you could think about:

- Whose home is it? (maybe a worm, a firefighter or a giraffe...)
- What kind of place is it? (maybe a city, somehere in a jungle, up a mountain, on a cloud, under the sea...)









What if we could totally reinvent where we live? Imagine there are no roads and no buildings and we could create a new town or city from scratch.

What would your place be called?

Who would live there? How would you travel around the area? Can the buildings move, do you swim from place to place, do you ride on the back of an ant? Could people live in the clouds or underground?

Draw your dream place and add labels to tell us more...





Write a story about an invention that makes our cities and communities more sustainable. Who
needs help, what's the problem, how did the invention help?

Think about the characters in your story, who are they and why might the y need your invention?

Middle: What is the problem that needs solving?

Beginning: How does it start? Where is it set?

End. How could your invention help? What happens next?





Invent a children's playground that generates green energy	Design a streetlight that saves energy by only turning on when needed	Design a house made From things you can Find on the beach
Invent a method of transport using butterflies and caterpillars	Invent a 'pocket park' kit that turns small, unused spaces into ting parks or green spaces where people can relax, socialise or exercise	Invent an item of clothing that harnesses green energy to power all your devices
Invent a new building material From recycled or natural materials that can make homes and buildings more sustainable.	Invent a way to use a volcano to heat a city	Invent a way to rescue animals From wildfires
Design a way that can transport people around a city without polluting the air	Invent a mobile phone powered by green energy	Invent a "rain garden" planter that can soak up rainwater to prevent Flooding in cities





1. At the beginning there's a problem. Who has the problem and what are they finding difficult or annoying to do?

2. In the middle, think about a way to solve the problem in a fun, practical, clever or totally bonkers way!

3. Then at the end show how the problem was solved and how your invention is used.





Ingenious Ideas



CTIVITY: PROBLEM DETECTION COMIC PT2

SUSTAINABLE GEALS	International School Challenges Ingenious Ideas
What can you invent to help make our cities and communities more sustainable?	
Invention name	
First name Age	
School	
Town/city Country	
Tell us more! (Who it is for, what it does, how it works)	
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